BUILDING TRUST

PRODUCT DATA SHEET

SikaBit® VB P-30-10 ALU/GF

Plastomeric bituminous roof vapour control layer torch applied and aluminium reinforced

DESCRIPTION

SikaBit® VB P-30-10 ALU/GF is an APP modified bituminous, roof vapour control layer and is torch applied. It is reinforced with an aluminium foil and a glass fibre inlay which provides dimensional stability and a effective vapour barrier. The underside has a burn-off film for easy application.

USES

Roof vapour control layer for:
- Flat and sloping roofs
- High humidity roof spaces (+20 °C, ≤ 80 % RH)

CHARACTERISTICS / ADVANTAGES

- Thickness: ~3,0 mm
- Good water vapour barrier
- Top surface finish: sand
- Good flexibility at -10 °C
- Good mechanical properties (tensile, tear, shear)
- High elongation
- High dimensional stability
- Easy to install by torching method

APPROVALS / CERTIFICATES

- CE marking and Declaration of Performance to EN 13970 – Bituminous layers for Vapour Control

PRODUCT INFORMATION

Composition	APP modified bitumen	
Reinforcing material	Aluminium foil and glass fibre	
Packaging	Roll size	
	Length	10,00 m
	Width	1,00 m
	Refer to current price list for packaging variations.	
Appearance / Colour	Top surface	Sand
	Backing	Polyethylene film
Shelf life	36 months from date of production	
Storage conditions	Product must be stored in original unopened and undamaged packaging in dry conditions and temperatures between +5 °C and +35 °C. Store in a vertical position. Do not stack pallets of the rolls on top of each other, or under pallets of any other materials during transport or storage. Always refer to packaging.	
Product declaration	EN 13970: Bituminous layers for Vapour Control	
Length	10 m ± 1,0 %	(EN 1848-1)

Width	1 m ± 1,0 %	(EN 1848-1)
Effective thickness	3,0 mm ± 0,2 mm	(EN 1849-1)

TECHNICAL INFORMATION

Resistance to impact	≥ 700 mm		(EN 12691)
Tensile strength	Longitudinal	450 N/50 mm ± 20 %	(EN 12311-1)
	Transversal	350 N/50 mm ± 20 %	
Elongation	Longitudinal	3 % ± 1 %	(EN 12311-1)
	Transversal	3 % ± 1 %	
Tear strength	Longitudinal	70 N ± 30 %	(EN 12310-1)
	Transversal	70 N ± 30 %	
Joint shear resistance	Longitudinal	450 N/50 mm ± 20 %	(EN 12317-1)
	Transversal	350 N/50 mm ± 20 %	
Flexibility at low temperature	≤ -10 °C		(EN 1109)
Reaction to fire	Class E		(EN 13501-1)
Water vapour transmission	μ = 1 500 000 ± 20 %		(EN 1931)
Watertightness	60 kPa		(EN 1928-Method B)

APPLICATION INFORMATION

Ambient air temperature	+5 °C min. / +50 °C max.
Relative air humidity	80 % max.
Substrate temperature	+5 °C min. / +50 °C max.

APPLICATION INSTRUCTIONS

SUBSTRATE QUALITY

The supporting structure must be of sufficient structural strength to apply all new and existing layers of the roof build-up. Complete roof system must be designed and secured against wind uplift loadings.
The substrate must be uniform, firm, smooth and free of any sharp protrusion or burrs, clean, dry, free of grease, bitumen, oil, dust and loosely adhering particles.

SUBSTRATE PREPARATION

Use the appropriate preparation equipment to achieve the required substrate quality.

APPLICATION METHOD / TOOLS

Strictly follow installation procedures as defined in method statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

Installation procedure
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Priming
Apply the appropriate primer from the Sika® Igolflex® P range, at the correct consumption to the prepared dry surface and allow to dry before next application stage. Refer to the individual Product Data Sheets.

Alignment
Unroll, align and re-roll correctly before torching.

Overlaps
Side: 100mm. End: 150 mm.

Torching
Use a gas burner to heat the substrate and the backing film on the underside of membrane. When the backing film starts to melt, the membrane is ready to stick. Roll the membrane forward and press firmly against the substrate to bond. Ensure a bead of melted bitumen is visible along the full length of the overlap sides and ends when laying.

Detailing
All details such as internal and external corners, upstands, vent pipes, drains, support metalwork etc. must be cut and sealed effectively. Detailing must follow the recommended guidelines and good practice for torch-applied membranes.

Protection
The membrane must be protected from damage during any ongoing site activities.

MAINTENANCE

To maintain the function of the waterproofing during its lifespan, it is advisable to arrange periodically for inspection of the membrane and detailing. Check the functionality of the auxiliary works, flashings, drainage outlets, overflow pipes etc. including removing leaves, moss and other vegetation, which could cause ponding on the roof and overload the drainage system.

IMPORTANT CONSIDERATIONS

- At low temperatures, take care unrolling to avoid damaging the membrane.
- Use suitable footwear to avoid puncturing the membrane.
- Do not apply to wet, damp or unclean surfaces.
- Do not over-torch the membrane otherwise the polyester reinforcement (which melts at +260 °C) will be damaged making the membrane un-useable.
- If membrane is insufficiently heated, this can cause reduced adhesion to the substrate, between layers or on the overlaps. If this occurs, un-bonded areas must be lifted and re-torched.
- If a seasonal symbol is printed on the roll's label, it is advisable to use the membrane during the indicated season.

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for the exact product data and uses.

ECOLOGY, HEALTH AND SAFETY

REGULATION (EC) NO 1907/2006 - REACH

This product is an article as defined in article 3 of regulation (EC) No 1907/2006 (REACH). It contains no substances which are intended to be released from the article under normal or reasonably foreseeable conditions of use. A safety data sheet following article 31 of the same regulation is not needed to bring the product to the market, to transport or to use it. For safe use follow the instructions given in the product data sheet. Based on our current knowledge, this product does not contain SVHC (substances of very high concern) as listed in Annex XIV of the REACH regulation or on the candidate list published by the European Chemicals Agency in concentrations above 0,1 % (w/w).

LEGAL NOTES

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

Sika Services AG
Tüffenwies 16
8048 Zürich
Tel: +41 58 436 4040
www.sika.com